

IAPR MVA2000

IAPR WORKSHOP ON MACHINE VISION APPLICATIONS

**FINAL
CALL FOR PAPERS**

**November 28-30, 2000
The University of Tokyo
TOKYO, JAPAN**

**Sponsored by:
IAPR MVA Organizing Committee
The University of Tokyo**

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From: Name _____

Address _____

Fax _____ E-mail _____

(Please tick if appropriate)

I wish to receive further information and registration form.

I intend to participate in the workshop.

I intend to submit a paper. The tentative title of the paper is: _____

CALL FOR PAPERS

MVA2000: IAPR Workshop on Machine Vision Applications

November 28 - 30, 2000

The University of Tokyo, Tokyo, Japan

The Seventh IAPR Workshop on Machine Vision Applications will be held from November 28 to 30, 2000 at the University of Tokyo, Japan. The workshop is co-sponsored by the IAPR MVA Organizing Committee and the University of Tokyo. The purpose of the workshop is to bring together researchers and practitioners from both academia and industry, and to exchange their knowledge and stimulate each other through intensive discussions on the following research topics.

Main Topic: Machine Vision and its Applications

Algorithms

Feature extraction, Range data and 3D analysis, Motion and/or Image sequence analysis, Neural network applications, Color image analysis, and related technologies.

Architectures

Intelligent sensors, VLSI image processor chips, Massively parallel processing, Architectures for 3D and/or motion processing, Image processing systems, Software environment for image processor, and related technologies.

Applications

- **FA(Factory Automation):** Inspection, Diagnosis, Assembly, Mobile robots, and related technologies.
- **ITS(Intelligent Transport Systems):** Traffic monitoring, Traffic control, Driving safety assistance, Electric toll

collection.

- **Multimedia:** Image retrieval, Drawing processing, Multimedia database, Artificial reality.
- **Medical:** Medical examination assistance, Remote medicine, 2D/3D computer tomography.
- **GIS(Geographic Information System):** Map processing, 3D reconstruction from photographs or maps
- **HCI(Human Computer Interaction):** Face recognition, Gesture recognition, Multi-modal interface.
- **Security:** Surveillance, Alarm system, Biometrics, Personal Identification.
- **Others:** Civil and construction engineering, Agriculture/ Forestry / Fishery, Other applications.

Invited Talks

Prof. Avi Kak (Purdue University) :

“Computer Vision Techniques for Content-Based Image Retrieval from Large Medical Databases”

Prof. Nicholas Ayache (INRIA) :

“Machine Vision for Medicine of 21st Century”

Dr. Masakazu Ejiri (Hitachi) :

“Evolution of Real-time Image Processing in Practical Applications”

The workshop will include about 100 papers for oral and poster presentations on the above topics. All presentations will be made in English. Those who wish to present a paper are requested to submit four copies of an extended abstract of 500-1000 words with at least one main figure by **May 31, 2000** to

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The abstract should contain the following on the first page.

- 1) Title of the paper
- 2) Name(s) and affiliation(s) of the author(s)
- 3) Name and address of the person to be contacted, and also his/her phone/fax number(s) and E-mail address if available
- 4) Answers to the following questions:
 - a) What is the original contribution of this work?
 - b) Why should this contribution be considered important?

Important Dates

The paper must be submitted no later than
Acceptance of the paper will be notified by
Final camera-ready papers are due on

May 31, 2000.
July 31, 2000.
September 20, 2000.